



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov



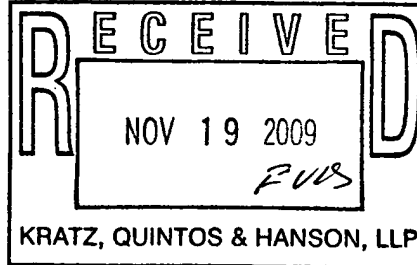
NOTICE OF ALLOWANCE AND FEE(S) DUE

23850

7590

11/18/2009

KRATZ, QUINTOS & HANSON, LLP
1420 K Street, N.W.
Suite 400
WASHINGTON, DC 20005



EXAMINER

ABOAGYE, MICHAEL

ART UNIT

PAPER NUMBER

1793

DATE MAILED: 11/18/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/511,450	10/27/2004	Yatsuhari Yokota	031265	6160		
TITLE OF INVENTION: REFLOW SOLDERING DEVICE <i>APPARATUS</i>						
<i>PTA-321 days Publication Issue Fee - calling: February 11, 2010</i>						
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	02/18/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

DOCKETED

DATE

Des Wt
11/19/09



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **YOKOTA, Yatsuharu**

Group Art Unit: 1725

Serial No.: 10/511,450

Examiner: **Unassigned**

Filed: **October 27, 2004**

P.T.O. Confirmation No.: 6160

For: **REFLOW SOLDERING APPARATUS**



INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

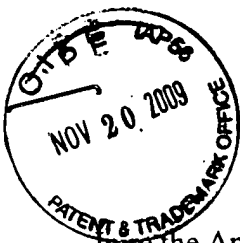
August 4, 2005

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of these documents is attached.

No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **YOKOTA, Yatsuharu**

Group Art Unit: 1725

Serial No.: 10/511,450

Examiner: **Unassigned**

Filed: **October 27, 2004**

P.T.O. Confirmation No.: 6160

For: **REFLOW SOLDERING APPARATUS**



INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

May 16, 2006

Sir:

The attention of the Patent and Trademark Office is hereby directed to the document listed on the attached Form PTO-1449. A copy of the document is attached.

No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

YOKOTA, Yatsuharu, et al

Group Art Unit: 1725

Serial No.: 10/511,450

Examiner: Michael Aboagye

Filed: October 27, 2004

P.T.O. Confirmation No.: 6160

For: REFLOW SOLDERING APPARATUS



PETITION FOR EXTENSION OF TIME

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: February 23, 2007

Sir:

Applicants petition the Commissioner for Patents to extend the time for response to the Office Action dated October 23, 2006, for one month from January 23, 2007 to February 23, 2007.

Attached please find a check in the amount of \$60.00, to cover the cost of the extension for a **SMALL ENTITY**. In the event that any additional fees are due in connection with this paper, please charge our Deposit Account No. 01-2340.

Respectfully submitted,

ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP

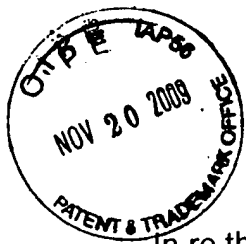
Donald W. Hanson
Attorney for Applicants
Reg. No. 27,133

Atty. Docket No. 031265
Suite 1000, 1725 K Street, N.W.
Washington, D.C. 20006
(202) 659-2930
DWH/nk



23850

PATENT TRADEMARK OFFICE



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

YOKOTA, Yatsuharu, et al

Group Art Unit: 1725

Serial No.: 10/511,450

Examiner: Michael Aboagye

Filed: October 27, 2004

P.T.O. Confirmation No.: 6160

For: REFLOW SOLDERING APPARATUS



AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: February 23, 2007

Sir:

In response to the Office Action dated October 23, 2006, please amend the above-identified application as set forth below:

Amendments to the Claims begin on page two of this paper.

Remarks begin on page five of this paper.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **YOKOTA, Yatsuharu**

Group Art Unit: 1793

Serial No.: 10/511,450

Examiner: **ABOAGYE, Michael**

Filed: **October 27, 2004**

P.T.O. Confirmation No.: 6160

For. **REFLOW SOLDERING APPARATUS** 

INFORMATION DISCLOSURE STATEMENT AND STATEMENT
PURSUANT TO 37 CFR 1.97(d)

Attn: Group Director

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

April 30, 2008

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of these documents is attached.

This Information Disclosure Statement is submitted after the mailing of a final action, a Notice of Allowance, or an action that otherwise closes prosecution in the application, but on or before payment of the Issue Fee.

The undersigned hereby certifies

XX that each item of information contained in this statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

The above information is presented so that the Patent and Trademark Office can, in the



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

YOKOTA, Yatsuharu, et al

Group Art Unit: 1725

Serial No.: 10/511,450

Examiner: Michael Aboagye

Filed: October 27, 2004

P.T.O. Confirmation No.: 6160

For: REFLOW SOLDERING APPARATUS



RESPONSE UNDER 37 CFR §1.116
- EXPEDITED RESPONSE -
GROUP ART UNIT 1796

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: August 26, 2008

Sir:

In response to the Office Action dated March 26, 2008, please amend the above-identified application as set forth below:

Amendments to the Claims begin on page two of this paper.

Remarks begin on page six of this paper.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **YOKOTA, Yatsuharu**

Group Art Unit: 1793

Serial No.: 10/511,450

Examiner: **ABOAGYE, Michael**

Filed: **October 27, 2004**

P.T.O. Confirmation No.: 6160

For: **REFLOW SOLDERING APPARATUS**



RESPONSE TO THE NOTICE OF NON-COMPLIANT AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

February 4, 2009

Sir:

This is a Response to the Notice of Non-Compliant Amendment, the Notice being dated January 21, 2009. A copy of the Notice is attached, it being indicated that the claims in the Supplemental Amendment dated January 14, 2009, had improper claim identifiers. Such has been corrected herein.

Amendments to the Claims are reflected in the listing of claims which begins on page two of this paper.

Remarks/Arguments begin on page six of this paper.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: YOKOTA, Yatsuharu

Group Art Unit: 1793

Serial No.: 10/511,450

Examiner: ABOAGYE, Michael

Filed: October 27, 2004

P.T.O. Confirmation No.: 6160

For: REFLOW SOLDERING APPARATUS



AMENDMENT UNDER 37 CFR §1.111

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

July 28, 2009

Sir:

In response to the Office Action dated April 28, 2009, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page two of this paper.

Remarks/Arguments begin on page six of this paper.